

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2075.1002-003APPLICATION NO.  
09/506,246INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

September 26, 2000

APPLICANT

Rex T. Gallagher &amp; Garner T. Hauptert, Jr.

FILING DATE

February 17, 2000

GROUP

~~1654~~

1614

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
cm	AA	4,780,314	25-OCT-88	Graves, S.W.	424	95	30-OCT-85
cm	AB	5,164,296	17-NOV-92	Blaustein, et al.	435	7.24	
cm	AC	5,429,928	04-JUL-95	Blaustein, et al.	435	7.24	
cm	AD	4,665,019	12-MAY-87	Hamlyn et al.	435	21	
cm	AE	4,551,426	05-NOV-85	Freytag, et al.	435	7	
cm	AF	5,716,937	02-JAN-98	Hauptert, Jr., G.T.	514	25	10-FEB-98
cm	AG	4,897,465	30-JAN-90	Cordle, et al.	530	387	
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
cm	AL	WO92/04047	19-MAR-92	PCT	—	—	
	AM						
	AN						
	AO						
	AP						
	AQ						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

cm	AR	Sergio, B. et al., "Effects of an Endogenous Ouabainlike Compound on Heart and Aorta", <i>Hypertension</i> , 17(6): Part 2:944-950 (1991)
	AS	Mathews, W.R. et al., "Mass Spectral Characterization of an Endogenous Digitalis-Like Factor From Human Plasma", <i>Hypertension</i> , 17(6): Part 2:930-935 (1991).
	AT	Ludens, J.H. et al., "Purification of an Endogenous Digitalis-like Factor From Human Plasma for Structural Analysis", <i>Hypertension</i> , 17(6): Part 2: 923-929 (1991).

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cm	AU	Hamlyn, J.M. et al., "Identification and Characterization of a ouabain-like Compound from Human Plasma", <i>Proc. Natl. Acad. Sci. USA</i> , 88:6259-6263 (1991).
	AV	Haber, E. and Hauptert, Jr., G.T., "The Search for a Hypothalamic Na, K-ATPase Inhibitors", <i>Hypertension</i> , 9:315-324 (1987).
	AW	Hauptert, Jr., G.T., "Overview: Physiological Inhibitors of Na, K-ATPase Concept and Status", <i>The Na<sup>+</sup>, K<sup>+</sup>-Pump Part B: Cellular Aspects</i> , 297-320 (1988).
	AX	Mudgett-Hunter, M. et al., "High-Affinity Monoclonal Antibodies to the Cardiac Glycoside, Digoxin", <i>J. Immunol.</i> , 129(3):1165-1172 (1982).
	AY	Carilli, C.T. et al., "Hypothalamic Factor Inhibits the (Na,K)ATPase from the extracellular Surface", <i>J. Biol.Chem.</i> , 260(2):1027-1031 (1985).
	AZ	Janssens, S.P. et al., "Hypothalamic Na <sup>+</sup> , K <sup>+</sup> -ATPase Inhibitor Constricts Pulmonary Arteries of Spontaneously Hypertensive Rats", <i>J. Cardio. Pharm.</i> , 22(Suppl. 2):S42-S46 (1993).
	AR2	Hauptert, Jr., G.T. and Sancho, J.M., "Sodium transport inhibitor from bovine hypothalamus", <i>Proc. Natl. Acad. Sci. USA</i> , 76(9):4658-4660 (1979).
	AS2	Hauptert, Jr., G.T. et al., "Hypothalamic sodium-transport inhibitor is a high-affinity reversible inhibitor of Na <sup>+</sup> -K <sup>+</sup> -ATPase", reprint from <i>Am. Physiol. Soc</i> , 247:F919-F924 (1984).
	AT2	Mirsalikhova, N.M. et al., "Some Features of the Inhibition of Na <sup>+</sup> , K <sup>+</sup> -ATPase in Heart Muscle by Cardiotoxic Glycosides", <i>Inst. Biochem. and Inst. Chem. Plant Subst.</i> , Academy of Sciences of the Urbek SSR, Tashkent, USSR, p. 269-275.

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cm	AU2	Pitts, R.F., "Chapter 5, Clearance and Rate of Glomerular Filtration", <i>Physiology of the Kidney and Body Fluids</i> (Year Book Medical Publishers Inc., 3rd Edition, Chicago, IL):60-63.
	AV2	Mudgett-Hunter, M. et al., "Binding and Structural Diversity Among High-Affinity Monoclonal Anti-Digoxin Antibodies", <i>Mol. Immunol.</i> , 22(4):477-488 (1985).
	AW2	Smith, T.W. et al., "Treatment of Life-Threatening Digitalis Intoxication with Digoxin-Specific Fab Antibody Fragments", <i>The New England Journal of Medicine</i> , 307(22):1357-1362 (1982).
	AX2	Smith, T.W. et al., "Reversal of Advanced Digoxin Intoxication with Fab Fragments of Digoxin-Specific Antibodies", <i>The New England Journal of Medicine</i> , 294(15):797-800 (1976).
	AY2	Hallaq, H.A. and Hauptert, Jr., G.T., "Positive inotropic effects of the endogenous Na <sup>+</sup> /K <sup>+</sup> -transporting ATPase Inhibitor from the hypothalamus", <i>Proc. Natl. Acad. Sci. USA</i> , 86:10080-10084 (1989).
	AZ2	Axelrod, J., "J. Methylation reactions in the Formation and Metabolism of Catecholamines and Other Biogenic Amines", <i>Pharm. Rev.</i> , 18(1): Part I:95-113 (1966).
	AR3	Thomas, R. et al., "Synthesis and Biological Activity of Semisynthetic Digitalis Analogs", <i>J. Pharm. Sci.</i> , 63(11):1649-1683 (1974).
	AS3	Hoffman, B.F. and Bigger, Jr., J.T., "Chapter 34: Digitalis and Allied Cardiac Glycosides", <i>The Pharmacological Basics for Therapeutics</i> , (NY: Pergamon Press):814-839 (1990).
✓	AT3	Hauptert, Jr., G.T. et al. "Target Organ Sensitivity to an Endogenous Na, K-ATpase Inhibitor from Hypothalamus", <i>Kidney Int.</i> , 31:435A (1987).

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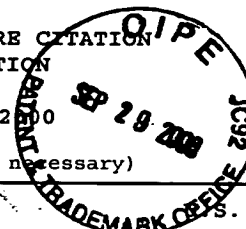
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cm	AU3	Weinberg, U. et al., "Identification and Preliminary Characterization of Two Human Digitalis-Like Substances that are Structurally Related to Digoxin and Ouabain", <i>Biochem. &amp; Biophys. Res. Comm.</i> , 188(3):1024-1029 (1992).
	AV3	Tamura, M. et al., "Isolation and Characterization of a Specific Endogenous Na <sup>+</sup> , K <sup>+</sup> -ATPase Inhibitor from Bovine Adrenal", <i>Biochem.</i> , 27:4244-4253 (1988).
	AW3	Schoner, W. et al., "Purification and Properties of Endogenous Ouabain-like Substances from Hemofiltrate and Adrenal Glands", <i>J. Cardiovas. Pharm.</i> , 22(Suppl. 2):S29-S31 (1993).
	AX3	Lewis, L.K. et al., "Ouabain Is Not Detectable in Human Plasma", <i>Hypertension</i> , 24(5):549-555 (1994).
	AY3	Valdes, Jr., R. & Graves S.W. "Protein Binding of Endogenous Digoxin-Immunoactive Factors in Human Serum and Its Variation with Clinical Condition", <i>J. Clin. Endoc. Metab.</i> , 60(6):1135-1143 (1985).
	AZ3	Illescas, M. et al., "Complete purification of two identical Na <sup>+</sup> -pump inhibitors isolated from bovine hypothalamus and hypophysis", <i>FEBS Let.</i> , 261(2):436-440 (1990).
	AR4	Zhao, N. et al., "Na,K-ATPase Inhibitors from Bovine Hypothalamus and Human Plasma Are Different from Ouabain: Nanogram Scale CD Structural Analysis", <i>Biochem.</i> , 34:9893-9896 (1995).
	AS4	Tymiak et al., "Physicochemical Characterization of a Ouabain Isomer Isolated from Bovine Hypothalamus", <i>Proc. Natl. Acad. Sci.</i> , 90:8189-8193 (1993).
	AT4	Nakanishi et al., "Search for an Endogenous Mammalian Cardiogenic Factor", <i>Saponins Used in Traditional and Modern Medicine</i> , pp:219-224 (1996).

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com	AU4	Anner et al., "Hypothalamic Na <sup>+</sup> -K <sup>+</sup> -ATPase Inhibitor Characterized in Two-Sided Liposomes Containing Pure Renal Na <sup>+</sup> -K <sup>+</sup> -ATPase", Am. J. Physiol., 258 (Renal Fluid Electrolyte Physiol., 27):F144-F153 (1990).
	AV4	Berzoksky, J.A. and Berkower, I.J., "Immunogenicity and Antigen Structure," In Fundamental Immunology, Paul, W.E., ed., (NY:Raven Press), p. 242 (1993) ✓
com	AW4	Montali, U., et al., "Purification of Endogenous Digitalis-Like Factor(s) from Cord Blood of Neonate by Immunoaffinity Chromatography," Biochem. Int;25:853-859 (1991) ✓

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